



SERIES 80 Mighty Mouse connectors



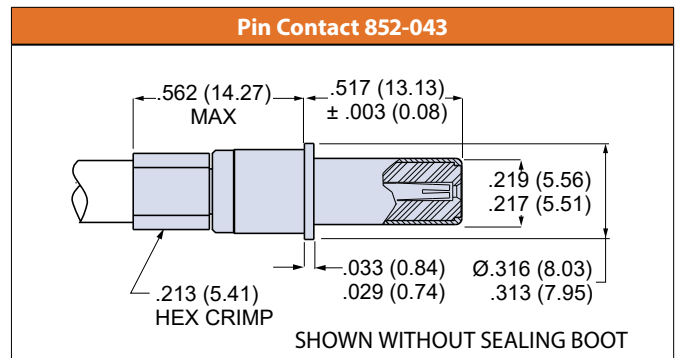
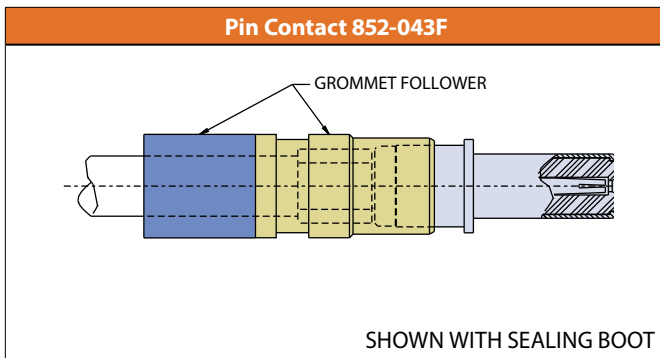
Size #8, 2.5 GHz Max Operating Frequency, 50 Ohm Coax Contacts

SIZE #8 50 OHM CONTACTS FOR LOW LOSS HIGH PERFORMANCE COAX CABLE



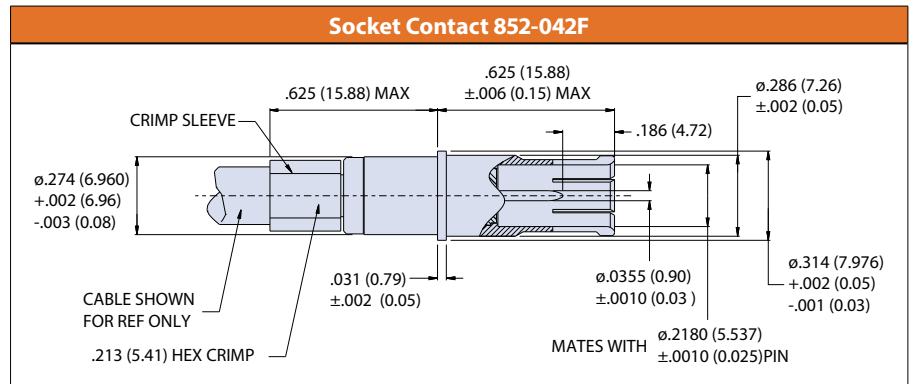
Coax contacts fit Glenair Series 80 Mighty Mouse connectors and MIL-DTL-38999 Series I, III, and IV connectors with size 8 contact cavities. 50 Ohm nominal impedance. 0-2.5 GHz frequency range. Solder conductor to center contact, shield termination is crimp type. Supplied as unassembled kit with contact body, center contact, outer ferrule and sealing boot. Contacts are snap-in, rear release with plastic extraction tool. Gold-plated copper alloy, Fluoropolymer insulator. See following page for information on coaxial cable.

Fig.	Contact Type	Part Number Contact Only	Part Number Contact and Sealing Boot	Sealing Boot
Fig.1	Pin	852-043	852-043F	859-042-02
Fig.2	Socket	852-042	852-042F	859-042-02

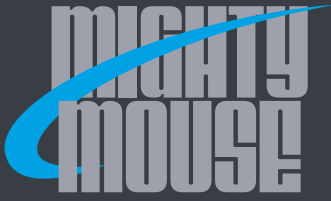


Materials, Finishes	
Contact body, center contact, ferrule	Copper Alloy
Contact finish	50 microinches gold over nickel plating
Dielectric	Fluorocarbon

Contact Crimp and Removal Tools		
Description	Glenair P/N	Military P/N
Inner Contact	Solder Terminated	
Outer Contact Crimp Tool	809-129	M22520/5-01
Outer Contact Hex Die	859-051	M22520/5-05
Contact Removal Tool	859-049	M81969/14-12



Technical Data	
Specifications	Construction
<ul style="list-style-type: none"> Nominal Impedance: 50 Ohms Frequency Range: 0 – 2.5 GHz Dielectric Withstanding Voltage: 1300 VAC sea level, 250 VAC at 50,000 feet Insulation Resistance: 5000 megOhms minimum Durability: 500 mating cycles 	<ul style="list-style-type: none"> Center contact: copper alloy/ gold plated Body: copper alloy/ gold plated Ferrule: copper alloy/ gold plated Insulator: PTFE / N.A.



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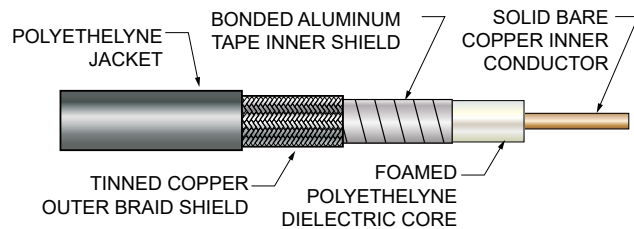
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CABLE INFORMATION (REFERENCE ONLY, NOT SOLD BY GLENAIR) FOR SIZE #8 50 OHM CONTACTS

Coax contacts 852-042 and 852-043 are designed for use with LLSB-200 and LMR-195 cable. This low loss, flexible cable is suitable for shipboard, airframe and tactical vehicles. Manufactured by Times Microwave, these cables are qualified to MIL-DTL-17/220. LMR-197 is a drop-in replacement for RG-58 and RG142 (TLMR is not QPL). Jacket is non-halogen, low smoke black UV resistant cross-linked polyethylene.

Manufacturer Part No.	LLSB-200	LMR-195
Military Part Number	M17/220-00001	M17/ RG-58 or RG142
Impedance	50 ± 2	50
Velocity of Propagation %	80	80
Capacitance (pF/ft)	24.5	25.4
Conductor Type	Bare Copper	Bare Copper
Conductor Diameter	.044 (1.12)	.037 (.94)
Dielectric Diameter	.118 (3.0)	.110 (2.79)
Outer Shield Diameter	.144 (3.66)	.116 (2.95)
Shielding Effectiveness (dB)	90 min.	90 min
Outer Diameter	.195 (4.95)	.195 (4.95)
Temperature Range	-30° to +85°C	-40° to +85°Cw
Weight (lbs/ft.)	.037	.021
Attenuation (dB/100 ft)	nominal	
10 MHz	1.3	
30 MHz	2.1	2.0
50 MHz	2.7	2.5
100 MHz	3.8	
150 MHz		4.4
400 MHz	7.7	
450 MHz		7.8
900 MHz		11.1
1 GHz	12.0	
1.5		14.5
2.5 GHz	20.0	19.0

LLSB-200 and LMR-195 Cable



NOTE

- 852-043 / -042 can be used / terminated on both cables LLSB-200 and LMR-195

Sealing Boot

Optional sealing boot is recommended. Slide boot onto wire before terminating contact. After contact is installed in connector, slide boot forward into connector grommet to seal the contact cavity. "F" suffix on contact part number specifies contact supplied with 859-042-02 sealing boot.

Sealing Boot Dimensions		
Wire Dia. (in.)	Wire Dia. (mm.)	Part Number
.130 - .170	3.30 - 4.32	859-042-02

